THE FOLLOWING IS THE ENGLISH TRANSLATION OF THE ANNEXES TO THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT UNDER ARTICLE 34:
Amended Sheets (pages 2, 3, 3a, 3b, 11-14)

Described in the patent document US 5,734,987 is a communication device with a variable amplification of the transmission signal to be transmitted. By means of an additional microphone, the noise level is detected at the location of the communication device. When the noise level exceeds a certain threshold value, the amplification of the transmission signal to be transmitted is adapted, depending upon whether a transmission or a reception signal is detectable.

Described in the German published, unexamined patent application DE 196 51 781 A1 is a communication device and a method for accepting calls. Using sensor means such as infrared sensors, position sensors or sound sensors, physical conditions of the communication device are measured. For example, an infrared sensor is installed on the communication device at a suitable place, so that taking the device into one's hand can be registered, and, should the device be receiving a call just then, an acceptance of the call is carried out.

Described in the patent document US 6,285,891 B1 is a communication device with a variety of functions such as, for instance, an incoming call ringing pattern, an incoming call vibration, an incoming call volume, a microphone sensibility or message recording. By entering a key combination, the user can adjust functional characteristics corresponding to the environment. It is a drawback that functional characteristics are not automatically adaptable to the environment, however.

Described in the patent application EP 0 611 070 A2 is a mobile radio device with a variety of operational functions such as, for instance, ringing tone volume or volume of the handset. To make adaptability of the operational functions to different environments easier, operational functions are put into groups, the user being able to adjust the operational functions according to a definable group by means of a keyboard entry during a change of environment.

AMENDED PAGE

It is a drawback, however, that functional characteristics are not adaptable to the environment in an automated way.

It is an object of this invention to propose a new mobile communication device and a method for controlling different modes of operation of a mobile communication device which do not have the above-mentioned drawbacks of the state of the art. In particular, a simple and efficient automated method and such a device should be proposed which allow the mode of operation of the mobile communication device to be adapted automatically to a changed environment without any help from the user.

This object is achieved according to the present invention in particular through the elements of the independent claims. Further advantageous embodiments follow moreover from the dependent claims and from the specification.

In particular these objects are achieved through the invention in that the mobile communication device comprises a multiplicity of modes of operation with different operational functions, body-related parameters of a user and/or environmental parameters of the mobile communication device being able to be captured by the mobile communication device by means of sensors and/or measuring devices, the mobile communication device comprising a selection module for evaluating the body-related parameters of the user and/or environmental parameters of the mobile communication device, and the mobile communication device comprising an operational mode module for adapting the respective mode of operation of the mobile communication device according to the evaluation data for the body-related parameters and/or environmental parameters. This embodiment variant has the advantage, among others, that the mode of operation of the mobile communication device can be adapted automatically to a changed environment and/or other conditions without any help from the user. Furthermore, by means of the automatic selection of the

mode of operation, in particular monitoring functions and alarm functions can be triggered or respectively performed.

In an embodiment variant, a body-related parameter able to be captured by the mobile communication device by means of sensors includes a cardiac rhythm and/or an adrenaline level and/or an oxygen content of the blood and/or a blood sugar content and/or a body temperature and/or a body position and/or a type of movement and/or a direction of movement and/or a vocal activity and/or a pitch of the voice and/or a brain activity of the user. This embodiment variant has the advantage, among others, that, e.g. in the case of diabetics, the blood sugar level can be monitored automatically, the ringing tone can be adapted automatically to external conditions (active phase of the user, resting phase of the user), or in general that the mode of operation can be adapted to external conditions and/or user parameters. Further advantages follow from the specific choice of sensor. Thus, for example, the measurement of the voice activity and/or voice pitch (louder or raising of the voice) can indicate an emotional stress situation for the user, in which, for example, unsolicited promotional calls or calls from certain numbers or calls in general or messages of all kinds are not necessarily desirable and/or it can indicate, for instance, an automatic transfer of the calls to an answering machine. In particular, the brain activity can also be used for example, e.g. $\alpha/\beta/\gamma$ waves for recognition of active phases (high α activity) and/or resting phases (γ activity) and/or emergency situations (possibly changed β activity). It is to be pointed out that the number and/or type of sensors is not limited in any way by the above list, but instead the scope of protection relates in general to all possible measurement parameters. Said sensors can be installed in the mobile communication device, or can be connected to the mobile communication device via a wireless or wired connection.

In another embodiment variant, an environmental parameter for the environment of the mobile communication device able to be captured by the mobile communication device by means of sensors includes a noise level

AMENDED PAGE

and/or an air temperature and/or a light value for the surrounding area of the communication device. This embodiment variant has the same advantages, among others, as the preceding embodiment variant. Through the combination of body-related and environmental parameters, the selection module can work more finely and more plausibly. In a loud environment, for example, a louder ringing tone can be set automatically, and/or with a decrease in light values in combination with the body position, this can be interpreted as sleep or resting phase of the user.

In a further embodiment variant, the mobile communication device comprises a mobile radio device. This embodiment variant has the advantage, among others, that owing to the wide distribution of mobile radio devices and

AMENDED PAGE